

For Research Use Only

# GCGR Recombinant antibody, PBS Only

Catalog Number: 84237-5-PBS



## Basic Information

<b>Catalog Number:</b> 84237-5-PBS	<b>GenBank Accession Number:</b> BC104854	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2642	<b>CloneNo.:</b> 241501C4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P47871	
<b>Isotype:</b> IgG	<b>Full Name:</b> glucagon receptor	
<b>Immunogen Catalog Number:</b> AG24861	<b>Calculated MW:</b> 477 aa, 54 kDa	
	<b>Observed MW:</b> 62-68 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse

## Background Information

Glucagon receptor (GCGR) is a secretin-like (class B) family of G-protein coupled receptors (GPCRs). It plays an important role in elevating the glucose concentration in the blood and has thus become one of the promising therapeutic targets for treating type 2 diabetes mellitus (PMID: 26236379). GCGR is a 62-kDa glycoprotein that contains at least four N-linked oligosaccharide chains (PMID: 2174441; 15245877). Defects in the gene of GCGR cause non-insulin-dependent diabetes mellitus (NIDDM).

## Storage

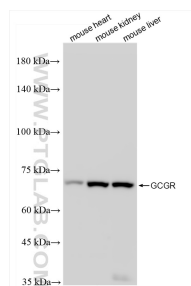
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

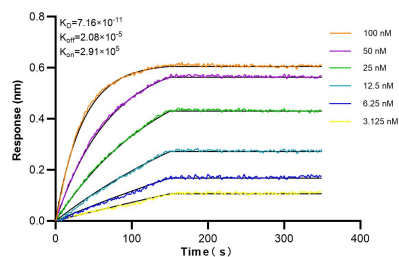
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84237-5-RR (GCCR antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84237-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84237-5-RR against Human GCCR were performed. The affinity constant is 71.6 pM.